Exhibit G

Experiment 4 (killing *Pseudomonas aeruginosa*)

Donor 1: (control) S17-1 carrying self-transmissible plasmid without colE3 (plasmid is **TetR,** donor A below)
Donor 2: S17-1 carrying a non self-transmissible plasmid with colE3 (plasmid is **TetR**, donors B below)
Donor 3: S17-1 carrying a self-transmissible plasmid with colE3 (plasmid is **TetR**, donors C below)
Note: S17-1 is an E. coli strain carrying RK2 integrated in the genome

Recipient: *Pseudomonas aeruginosa* (S. West) (**RifR**)

Donor and recipient cells were mixed and conjugated on a filter for 3 hour at 37°C, and exconjugants were selected by two antibiotics, Tet and Rif. Under this antibiotic selection, the donor or the recipient itself was not able to grow on this plate, which was shown at the bottom of each plate (see below).

Conjugation plate (LB with **Tet_{50}/Rif**) selecting exconjugants

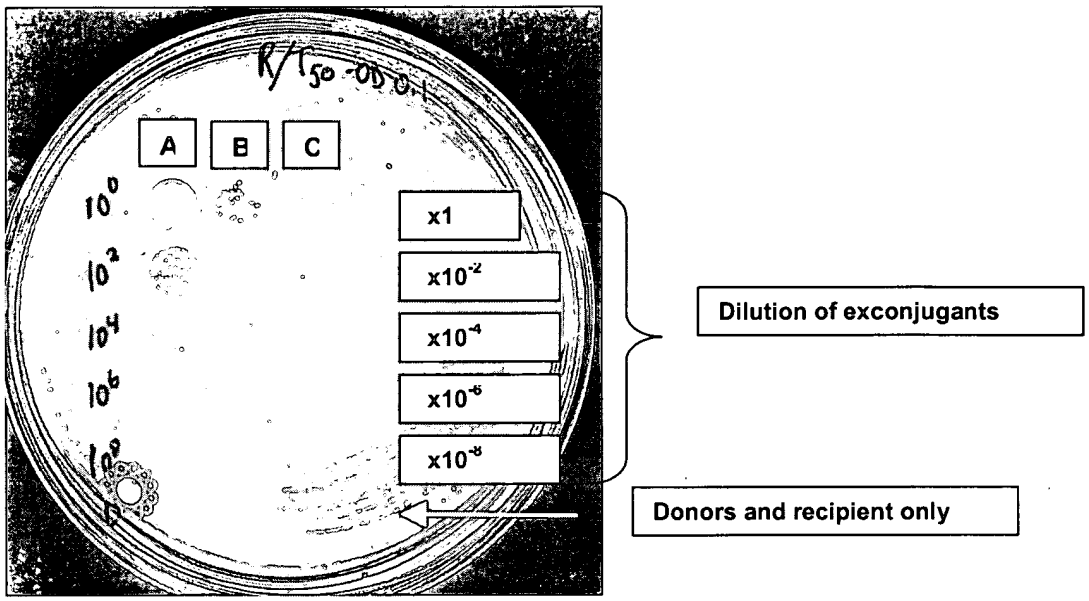

Table. Number of exconjugants counted from the plate above

dilution	Control (**A**)	non self-transmissible vector (**B**)	self-transmissible vector (**C**)
1	TNC	17	0
10^{-2}	145	0	0
10^{-4}	2	0	0
10^{-6}	0	0	0

NOTE: TNC - Too Numerous to Count

Comparison of survival values after conjugation (based on the data shown above)